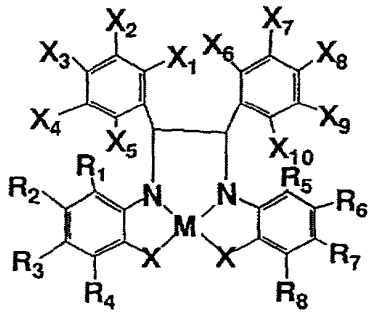
WHAT IS CLAIMED IS:

1. An organic metal complex represented by the following general formula (I):



... (I)

wherein:

X represents S or Se, M represents a metal element; R_1 to R_8 each independently represents hydrogen, alkyl which is optionally substituted, aryl which is optionally substituted, aralkyl which is optionally substituted, alkoxy which is optionally substituted, aryloxy, nitro, halogen, amino which is optionally substituted, or cyano; and X_1 to X_{10} each independently represents hydrogen, halogen, hydroxyl, alkoxy, aryloxy, nitro, cyano, alkyl which is optionally substituted, aryl which is optionally substituted, or aralkyl which is optionally substituted provided that at least one of X_1 to X_{10} is not hydrogen.

2. The organic metal complex of Claim 1, wherein in the formula (I), X is S.

3. The organic metal complex of Claim 1, wherein in the formula (I), M is Ni, Pd, Pt, Co, Fe, Ti, Sn or Cu.

4. The organic metal complex of Claim 1, wherein in the general formula (I), M is Ni.

5. The organic metal complex of Claim 1, wherein in the formula (I), M is Ni, Pd, Pt or Co.

6. The organic metal complex of Claim 1, wherein in the formula (I), X is S; and M is Ni.

7. The organic metal complex of Claim 1, wherein each of R_1 to R_8 is hydrogen.

8. The organic metal complex of Claim 1, wherein at least one of X_1 to X_{10} is fluorine,. chlorine, or cyano, and the remaining X_1 to X_{10} groups are hydrogen.

9. The organic metal complex of Claim 1, which is symmetrical with respect to formula (I).

10. The organic metal complex of Claim 8, wherein from 1 to 3 of X_1 to X_{10} is fluorine, chlorine or cyano; and the remaining X_1 to X_{10} groups are hydrogen.

11. The organic metal comples of Claim 9, wherein 2, 4, 6,. 8 or 10 of X_1 to X_{10} are fluorine; and R_1 to R_8 are hydrogen.

12. The organic metal complex of Claim 9, wherein 2 4, 6, 8 or 10 of X_1 to X_{10} are chlorine; and R_1 to R_8 are hydrogen.

13. The organic metal complex of Claim 9, wherein 2 or 4 of X_1 toX_{10} are trifluoromethyl; and R_1 to R_8 are hydrogen.

14. The organic metal complex of Claim 9, wherein 2 or 4 of X_1 to X_{10} are cyano; and R_1 to R_8 are hydrogen.

15. The organic metal complex of Claim 9, wherein 2 or 4 of X_1 to X_{10} are nitro; and R_1 to R_8 are hydrogen.

16. The organic metal complex of Claim 9, wherein 2 of X_1 to X_{10} are bromine; and R_1 to R_8 are hydrogen.

17. The organic metal complex of Claim 9, wherein 2 of X_1 to X_{10} are hydroxy; and R_1 to R_8 are hydrogen.

18. An infrared-absorbing dye, comprising the organic metal complex of Claim 1.

19. An infrared absorption filter, comprising the organic metal complex of Claim 1.

20. The infrared absorption filter of Claim 19, having a near infrared transmittance in a wavelength range 800 - 1,100 nm of at most 15%.

21. The infrared absorption filter of Claim 19, having an ultraviolet screening layer laminated thereon.

22. The infrared absorption filter of Claim 19, further comprising another near infrared absorbing compound.

23. A filter for a plasma display panel, comprising the infrared absorption filter of Claim 19.

24. The filter for a plasma display panel of Claim 23, having an electromagnetic wave screening layer laminated thereon.

25. The filter for a plasma display panel of Claim 23, having an anti-reflection layer laminated thereon.

26. The filter for a plasma display panel of Claim 23, having an anti-glare (non-glare) layer laminated thereon.

27. The filter for a plasma display panel of Claim 23, having an ultraviolet screening layer laminated thereon.

28. A method for absorbing near infrared radiation, which comprises subjecting the organic metal complex of Claim 1, to near infrared radiation, thereby absorbing said radiation.